

#4

SHEET 1 OF 6

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-P-US	SERIAL NO. 09/194,367
	APPLICANT DUPRAY ET AL.	
	FILING DATE NOV. 24, 1998	GROUP ART

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	1	5,805,670	9/8/98	Pons et al.	379	45	
↑	2	5,802,454	9/1/98	Goshay et al.	455	31.2	
	3	5,774,802	6/30/98	Tell et al.	455	408	
	4	5,732,354	3/24/98	MacDonald	455	456	
	5	5,724,660	3/3/98	Kauser et al.	455	456	
	6	5,701,328	12/23/97	Schuchman et al.	375	204	
	7	5,649,065	7/15/97	Lo et al.	395	23	
	8	5,640,103	6/17/97	Petsche et al.	324	772	
	9	5,638,486	6/10/97	Wang et al.	395	2.45	
	10	5,631,469	5/20/97	Carrieri et al.	250	341.5	
	11	5,629,707	5/13/97	Heuvel et al.	342	357	
	12	5,621,848	4/15/97	Wang	395	2.2	
	13	5,619,552	4/8/97	Karppanen et al.	379	60	
↓	14	5,614,914	3/25/97	Bolgiano et al.	342	364	
DP	15	5,613,205	3/18/97	Dufour	455	33.2	

EXAMINER <i>DP</i>	DATE CONSIDERED <i>3/16/2000</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-P-US	SERIAL NO. 09/194,367
	APPLICANT DUPRAY ET AL.	
	FILING DATE NOV. 24, 1998	GROUP ART

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	16	5,613,041	3/18/97	Keeler et al.	395	23	
↑	17	5,612,703	3/18/97	Mallinckrodt	342	457	
	18	5,610,972	3/11/97	Emery et al.	379	58	
	19	5,608,410	3/4/97	Stilp et al.	342	387	
	20	5,602,903	2/11/97	LeBlanc et al.	379	60	
	21	5,596,625	1/21/97	LeBlanc	379	60	
	22	5,581,596	12/3/96	Hogan	379	59	
	23	5,577,169	11/19/96	Prezioso	395	61	
	24	5,574,648	11/12/96	Pilley	364	439	
	25	5,570,412	10/29/96	LeBlanc	379	58	
	26	5,564,079	10/8/96	Olsson	455	54.1	
	27	5,537,460	7/16/96	Holliday, Jr. et al.	379	59	
	28	5,526,466	6/11/96	Takizawa	395	2.62	
	29	5,526,357	6/11/96	Jandrell	370	95.2	
↓	30	5,519,760	5/21/96	Borkowski et al.	379	59	
DP	31	5,517,667	5/14/96	Wang	395	24	

EXAMINER <i>DP</i>	DATE CONSIDERED <i>3/18/2000</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM-PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1003-P-US

SERIAL NO. 09/194,367

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT DUPRAY ET AL.

FILING DATE
NOV. 24, 1998

GROUP ART

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	32	5,508,708	4/16/96	Chosh et al.	342	457	
↑	33	5,508,707	4/16/96	LeBlanc et al.	342	457	
	34	5,506,864	4/9/96	Schilling	375	205	
	35	5,485,163	1/16/96	Singer	342	457	
	36	5,479,397	12/26/95	Lee	370	18	
	37	5,457,736	10/10/95	Cain et al.	379	60	
	38	5,448,754	9/5/95	Ho et al.	455	34.1	
	39	5,438,644	8/1/95	Fu	395	22	
	40	5,434,927	7/18/95	Brady et al.	382	104	
POV MS	41	5,426,745	6/1/20/95	Baji et al.	395	375	
	42	5,420,914	5/30/95	Blumhardt	379	114	
	43	5,410,737	4/25/95	Jones	455	56.1	
	44	5,408,588	4/18/95	Ulug	395	23	
	45	5,408,586	4/18/95	Skeirik	395	23	
	46	5,402,520	3/28/95	Schnitta	395	22	
DP	47	5,398,302	3/14/95	Thrift	395	23	

EXAMINER

Charles Dwyer

DATE CONSIDERED

3/16/2000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-P-US	SERIAL NO. 09/194,367
	APPLICANT DUPRAY ET AL.	
	FILING DATE NOV. 24, 1998	GROUP ART

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	48	5,394,435	2/28/95	Weerackody	375	206	
↑	49	5,394,158	2/28/95	Chia	342	457	
	50	5,390,339	2/14/95	Bruckert et al.	455	33.2	
	51	5,388,259	2/7/95	Fleischman et al.	395	600	
	52	5,365,544	11/15/94	Schilling	375	1	
	53	5,365,516	11/15/94	Jandrell	370	18	
	54	5,359,521	10/25/94	Kyrtos et al.	364	449	
	55	5,331,550	7/19/94	Stafford et al.	364	413.02	
	56	5,327,144	7/5/94	Stilp et al.	342	387	
	57	5,325,419	6/28/94	Connolly et al.	379	60	
	58	5,293,642	3/8/94	Lo	455	33.1	
	59	5,282,261	1/25/94	Skeirik	395	22	
	60	5,280,472	1/18/94	Gilhousen et al.	370	18	
	61	5,251,273	10/5/93	Betts et al.	382	57	
	62	5,218,716	6/8/93	Comroe et al.	455	33	
DP	63	5,212,804	5/18/93	Choate	455	33.1	

EXAMINER <i>DP</i>	DATE CONSIDERED 3/6/2000
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-P-US	SERIAL NO. 09/194,367
	APPLICANT DUPRAY ET AL.	
	FILING DATE NOV. 24, 1998	GROUP ART

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	64	5,212,765	5/18/93	Skeirik	395	11	
↑	65	5,184,347	2/2/93	Farwell et al.	370	94.1	
	66	5,155,490	10/13/92	Spradley et al.	342	357	
	67	5,136,686	8/4/92	Koza	395	13	
	68	5,119,102	6/2/92	Barnard	342	357	
	69	5,092,343	3/3/92	Spitzer et al.	128	733	
	70	5,034,898	7/23/91	Lu et al.	364	513	
	71	4,990,922	2/5/91	Young et al.	342	52	
DP	72	4,952,772	8/28/90	Zana	219	124.34	

FOREIGN PATENT DOCUMENTS

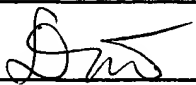
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
MS DP	73	WO 94/27161	11/24/94 4/28/94	PCT				
	74							

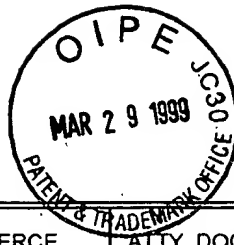
EXAMINER <i>DP</i>	DATE CONSIDERED 3/18/2000
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-P-US	SERIAL NO. 09/194,367
	APPLICANT DUPRAY ET AL.	
	FILING DATE NOV. 24, 1998	GROUP ART

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

DP	75	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; "Comments of Harris Government Communication Systems Division <u>A Division of Harris Corporation</u> ", filed September 25, 1996
↑	76	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; "Reply Comments of KSI Inc. and MULIC Inc." filed October 25, 1996
	77	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; <u>ex parte</u> communication from Cambridge Positioning Systems Ltd. received April 14, 1997 by the Commission
	78	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; <u>ex parte</u> communication from GeoTek Communications, Inc. received April 14, 1997 by the Commission
	79	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; <u>ex parte</u> communication from XYPPOINT Corporation, Inc. received July 28, 1997 by the Commission
	80	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; <u>ex parte</u> communication from National Strategies, Inc., regarding enhanced 911 system trial by TruePosition, Inc. and New Jersey Office of Emergency Telecommunications Services, received August 8, 1997 by the Commission
	81	CC Docket No. 94-102, Before the Federal Communications Commission, in the Matter of Revision of the Commission's Rules to Ensure Compatibility with Enhanced 911 Emergency Calling Systems; <u>ex parte</u> communication from SnapTrack, Inc., received June 27, 1997 by the Commission
↓	82	from http://www.uswcorp.com/laby.htm , Release concerning RadioCamera™, printed 9/14/98
DP	83	Wylie et al., "The Non-Line of Sight Problem in Mobile Location Estimation"

EXAMINER 	DATE CONSIDERED <u>3/16/00</u>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



4 1/2

SHEET 1 OF 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-PUS	SERIAL NO. 09/194,367
	APPLICANT DUPRAY et al.	
	FILING DATE November 24, 1998	GROUP ART

RECEIVED
JUL - 9 1999
TO 2700 MAIL ROOM

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	AA	5,790,953	8/4/98	WANG et al.	455	435	
	AB						
	AC						

RECEIVED
MAY 20 1999

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AD							
	AE							

GROUP 3600

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AF	
	AG	
	AH	

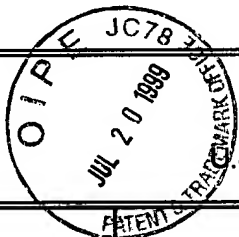
RECEIVED
TECHNOLOGY CENTER
3600
MAY 17 10 10 27

EXAMINER <i>SW</i>	DATE CONSIDERED 3/16/2000
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1003-PUSSERIAL NO.
09/194,367INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT
DUPRAY et al.FILING DATE
November 24, 1998

GROUP ART



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	AA	5,717,406	2/10/98	Sanderford et al.	342	457	
	AB						
	AC						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION
							YES NO
	AD						
	AE						

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AF	
	AG	

EXAMINER

DATE CONSIDERED

3/16/2000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
TECHNOLOGY CENTER 350
99 JUL 26 PM 1:26

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
1003-PUSSERIAL NO.
09/194,367INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT

DUPRAY et al.

FILING DATE

November 24,

1998

GROUP ART

h:\dennis\1003\pus\pto-ids-suppl-1449-003

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	RECEIVED TECHNOLOGY CENTER 99 OCT 27 AM 10:28 FILING DATE APPROP.
D?	AA	5,952,969	9/14/99	Hagerman et al.	342	457	
	AB	5,949,815	9/7/99	Pon	375	208	
	AC	5,945,948	8/31/99	Buford et al.	342	457	
	AD	5,943,014	8/24/99	Gilhousen	342	465	
	AE	5,936,572	8/10/99	Loomis et al.	342	357	
	AF	5,933,421	8/3/99	Alamouti et al.	370	330	
	AG	5,926,133	7/20/99	Green, Jr.	342	363	
	AH	5,917,866	6/29/99	Pon	375	346	
	AI	5,917,449	6/29/99	Sanderford et al.	342	457	
	AJ	5,906,655	5/25/99	Fan	701	216	
	AK	5,905,455	5/18/99	Heger et al.	342	22	
	AL	5,901,358	5/4/99	Petty et al.	455	456	
	AM	5,892,441	4/6/99	Woolley et al.	340	539	
	AN	5,875,401	2/23/99	Rochkind	455	466	
	AO	5,875,394	2/23/99	Daly et al.	455	411	
	AP	5,845,198	12/1/98	Bamburak et al.	455	31.1	
	AQ	5,832,367	11/3/98	Bamburak et al.	455	62	
	AR	5,479,482	12/26/95	Grimes	379	59	
	AS	5,363,110	11/8/94	Inamiya	342	357	
DP	AT	5,319,374	6/7/94	Desai et al.	342	387	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

EXAMINER

Dm

DATE CONSIDERED

3/15/2000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEPAT. DOCKET NO.
1003-PUSSERIAL NO.
09/194,367INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)APPLICANT
DUPRAY et al.FILING DATE
November 24,
1998

GROUP ART

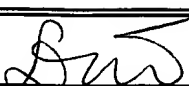
h:\dennis\1003\pus\pto-ids-suppl-1449-003

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

DP	AU	Evans, 1998, "New Satellites for Personal Communications," <i>Scientific American</i> , 278(4):70-77
DP	AV	Hills, 1998, "Terrestrial Wireless Networks, <i>Scientific American</i> , 278(4):86-91
DP	AW	Pelton, 1998, "Telecommunications for the 21 st Century," <i>Scientific American</i> , 278(4):80-85
DP	AX	Stutzmann et al., 1998, "Moving Beyond Wireless Voice Systems," <i>Scientific American</i> , 278(4):92-93

RECEIVED
TECHNOLOGY CENTER 3600
99 OCT 27 AM 10:20

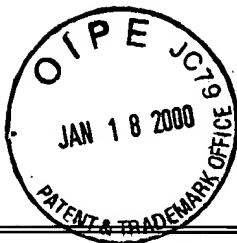
EXAMINER



DATE CONSIDERED

3/16/2000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



8

29

SHEET 1 OF 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1003-PUS	SERIAL NO. 09/194,367
	APPLICANT DUPRAY et al.	
	FILING DATE November 24, 1998	GROUP ART

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	1	5,999,124	12/7/99	Sheynblat	342	357.09	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

RECEIVED
JAN 19 2000
TC 3600 MAIL ROOM

EXAMINER 	DATE CONSIDERED 3/18/00
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	